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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/723,207	11/24/2003	Chang Yi Wang	1151-4153US2	1151-4153US2 8598 EXAMINER ROONEY, NORA MAUREEN	
27123	7590 09/26/2006		EXAM		
	& FINNEGAN, L.L.P.		ROONEY, NOR		
3 WORLD FINANCIAL CENTER NEW YORK, NY 10281-2101			ART UNIT	PAPER NUMBER	
	,		1644		
			DATE MAILED: 09/26/200	6	

Please find below and/or attached an Office communication concerning this application or proceeding.

		A !! 4/->					
	Application No.	Applicant(s)					
	10/723,207	WANG ET AL.					
Office Action Summary	Examiner	Art Unit					
	Nora M. Rooney	1644					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply .							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 24 No.	Responsive to communication(s) filed on <u>24 November 2003</u> .						
2a) This action is FINAL . 2b) ⊠ This	action is non-final.						
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) 3-13,15-18 and 22-25 is/are pending i	n the application.						
4a) Of the above claim(s) is/are withdray	vn from consideration.						
5) Claim(s) is/are allowed.	_ `						
6) Claim(s) is/are rejected.							
7) Claim(s) is/are objected to.		•					
8) Claim(s) <u>3-13, 15-18 and 22-25</u> are subject to r	restriction and/or election require	ment.					
Application Papers							
9) The specification is objected to by the Examine	r.						
10) The drawing(s) filed on is/are: a) □ acce	epted or b) objected to by the E	Examiner.					
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119	•						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)		·					
1) Notice of References Cited (PTO-892)	4) Interview Summary						
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 	Paper No(s)/Mail Da 5) Notice of Informal P	ate atent Application (PTO-152)					
Paper No(s)/Mail Date	6) Other:	. , , ,					

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DETAILED ACTION

1. In view of the amendment submitted on 11/24/2003, the restriction mailed on 08/21/2006 is hereby withdrawn. The new restriction requirements are set forth below.

2. It appears that claim 25 should depend from claim 24.

Election/Restrictions

- 3. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claim 3 drawn to a synthetic peptide comprising a helper T cell epitope, an IgE-CH3 domain antigen peptide and an immunostimulatory invasin domain, classified in class 424, subclass 185.1 and class 530, subclass 391.1.
 - II Claims 4, 7-13 and 24, drawn to a peptide conjugate comprising a helper T cell epitope and an IgE-CH3 domain antigen peptide, classified in class 424, subclass 185.1 and class 530, subclass 391.1.
 - III. Claims 5, 7-13, 15-18 and 24-25, drawn to a peptide conjugate represented by the formula: (A)_n-(IgE-CH3 domain antigen)-(B)₀-(Th)_m-X, classified in class 424, subclass 185.1 and class 530, subclass 391.1.
 - IV. Claims 5, 7-13, 15-18 and 24-25, drawn to a peptide conjugate represented by the formula: (A)_n-(Th)_m-(B)₀-(IgE-CH3 domain antigen)-X, classified in class 424, subclass 185.1 and class 530, subclass 391.1.

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V. Claims 6-13, 15-18 and 24-25, drawn to a peptide conjugate represented by the formula: (IgE-CH3 domain antigen)-(B)₀-(Th)_m-(A)_n-X, classified in class 424, subclass 185.1 and class 530, subclass 391.1.

- VI. Claims 6-13, 15-18 and 24-25, drawn to a peptide conjugate represented by the formula: (Th)_m-(B)₀-(IgE-CH3 domain antigen)-(A)_n-X, classified in class 424, subclass 185.1 and class 530, subclass 391.1.
- VII. Claims 24-25, drawn to a peptide and a pharmaceutical composition comprising an immunologically effective amount of a peptide and a pharmaceutical carrier, classified in class 530, subclass 350.
- VIII. Claims 22 and 23, drawn to a polymer comprising a peptide, classified in class 530, subclass 402.
- 4. Groups I- VIII are different products. The peptide of Group I, the polypeptide conjugates of Groups II-VI, the peptide of Group VII and the polymers of Groups VIII all differ with respect to their structures, modes of action and physicochemical properties; therefore each product is patentably distinct.
- 6. These inventions are distinct for the reasons given above. In addition, they have acquired a separate status in the art as shown by different classification and/or recognized divergent subject matter. Further, even though in some cases the classification is shared, a different field of search would be required based upon the structurally distinct products recited and the various methods of use comprising distinct method steps. Therefore restriction for examination purposes as indicated is proper. Further, a prior art search also requires a literature search. It is an undue burden for the examiner to search more than one invention.

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Species Election

7. Irrespective of whichever group applicant may elect, applicant is further required under 35 U.S.C 121: (1) to elect a single disclosed species to which claims would be restricted if no generic claim is finally held to be allowable and (2) to list all claims readable thereon including those subsequently added.

A. If any of Groups I or II is elected, applicant is required to elect a single IgE-CH3 domain antigen peptide of a.) SEQ ID NO:5, b.) SEQ ID NO:6, c.) SEQ ID NO: 7, d.)

SEQ ID NO: 8, or e.) SEQ ID NO: 84.

The peptide species differ with respect to their structures, expression, modes of action and physicochemical properties; therefore each product is patentably distinct.

- B. If one of Groups III-VI is elected, applicant is required to elect a single specific peptide conjugate wherein:
 - 1.) a single specific IgE-CH3 domain sequence is designated such as the one in claims 8-9; and
 - 2.) a single specific Th sequence is designated such as the one in claims 7, 10 and 11-13; and
 - 3.) a single specific B is designated.

The peptide species differ with respect to their structures, expression, modes of action and physicochemical properties; therefore each product is patentably distinct.

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C. If Group VII is elected, applicant is required to elect a single specific peptide such as the one in claims 4-6 such as wherein the sequence is:

1.) SEQ ID NO:5; 2.) SEQ ID NO:6; 3.) SEQ ID NO:7; 4.) SEQ ID NO:8; or 5.) SEQ ID NO: 84.

The peptide species differ with respect to their structures, expression, modes of action and physicochemical properties; therefore each product is patentably distinct.

- D. If Groups VIII is elected, applicant is required to elect:
 - 1.) a single peptide conjugate wherein:
 - a.) a single specific IgE-CH3 domain sequence is designated such as the one in claims 8-9; and
 - b.) a single specific Th sequence is designated such as the one in claims 7, 10 and 11-13; and
 - c.) a single specific B is designated;

The peptide species differ with respect to their structures, expression, modes of action and physicochemical properties; therefore each product is patentably distinct.

Applicant is required under 35 U.S.C. § 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

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8. Applicant is advised that a response to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

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Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 C.F.R. § 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. M.P.E.P. § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. § 103 of the other invention.\

- 9. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed.
- 10. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the

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application. Any amendment of inventorship must be accompanied by a request under 37 CFR

1.48(b) and by the fee required under 37 CFR 1.17(i).

11. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Nora M. Rooney whose telephone number is (571) 272-9937.

The examiner can normally be reached Monday through Friday from 8:30 am to 5:00 pm. A

message may be left on the examiner's voice mail service. If attempts to reach the examiner by

telephone are unsuccessful, the examiner's supervisor, Christina Chan can be reached on (571)

272-0841. The fax number for the organization where this application or proceeding is assigned

is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private

PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

September 13, 2006

Nora M. Rooney, M.S., J.D.

Patent Examiner

Technology Center 1600